

RH28M-2EK.3F.1R Ziehl-Abegg 230V 280mm AC Centrifugal Fan

SKU: RH28M-2EK.3F.1R

Price: \$674.97

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rh28m-2ek-3f-1r-ziehl-abegg-230v-280mm-ac-centrifugal-fan/>

Product Description

The Ziehl-Abegg RH28M-2EK.3F.1R is a high-velocity AC backward-curved centrifugal fan featuring a 280 mm bionic Cpro composite impeller, engineered for high-pressure air displacement. Driven by a powerful 2-pole single-phase external rotor motor, this unit is optimized for stable performance in environments requiring intense static pressure. Operating at 230 V, it achieves a nominal speed of 2680 RPM with a 0.59 kW power input at 50Hz. The 7 kg robust construction and IP10 protection rating make it suitable for integration within protected electronic enclosures and industrial cooling systems. Capable of operating in ambient temperatures up to 70 °C, this fan delivers concentrated airflow with high aerodynamic efficiency, ensuring reliable thermal management in mission-critical applications.

RH28M-2EK.3F.1R Fan Parameters

Manufacturer: Ziehl-Abegg

Model Number: RH28M-2EK.3F.1R

Type: AC backward-curved centrifugal fan

Phase: 1~

Nominal Voltage: 230 V

Nominal Voltage Range: 220 - 240 VAC

Frequency: 50/60 Hz

Impeller Size: 280 mm

Weight: 7 kg

[Electrical Data]

Input Power (50 Hz): 0.59 kW (590 W)

Input Power (60 Hz): 0.70 kW (700 W)

Nominal Speed (50 Hz): 2680 RPM

Nominal Speed (60 Hz): 2550 RPM
Current Draw (50 Hz): 2.6 A
Current Draw (60 Hz): 3.3 A
Capacitor: 14.0 μ F / 400 VDB (Required for operation)
Motor Protection: Thermal contact (TB)
Insulation Class: F
Termination: Terminal box or lead wires

[Performance & Acoustics]

Max. Air Flow (50 Hz): 1,324.3 CFM (2,250.0 m³/h / 37.5 m³/min)
Max. Static Pressure (50 Hz): 79.54 mmH₂O (780.0 Pa / 3.13 inH₂O)
Sound Power Level: 76 dB(A)
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Radial

[Materials & Construction]

Housing Material: None (Motorized impeller)
Impeller Material: High-performance composite material (Cpro Blue)
Motor Bearing: High-temperature ball bearings
Installation Position: Any
Degree of Protection: IP10

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C
Max. Ambient Temperature: 70 °C
Standard Compliance: EN 60034-1, CE
Approval Agency: UL, VDE, EAC, RoHS

Application

The Ziehl-Abegg RH28M-2EK.3F.1R centrifugal fan is used in high-density electronic cabinet cooling, industrial heat exchangers, laboratory fume hoods, small-scale air handling units, and precision air conditioning systems.

Product Images







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